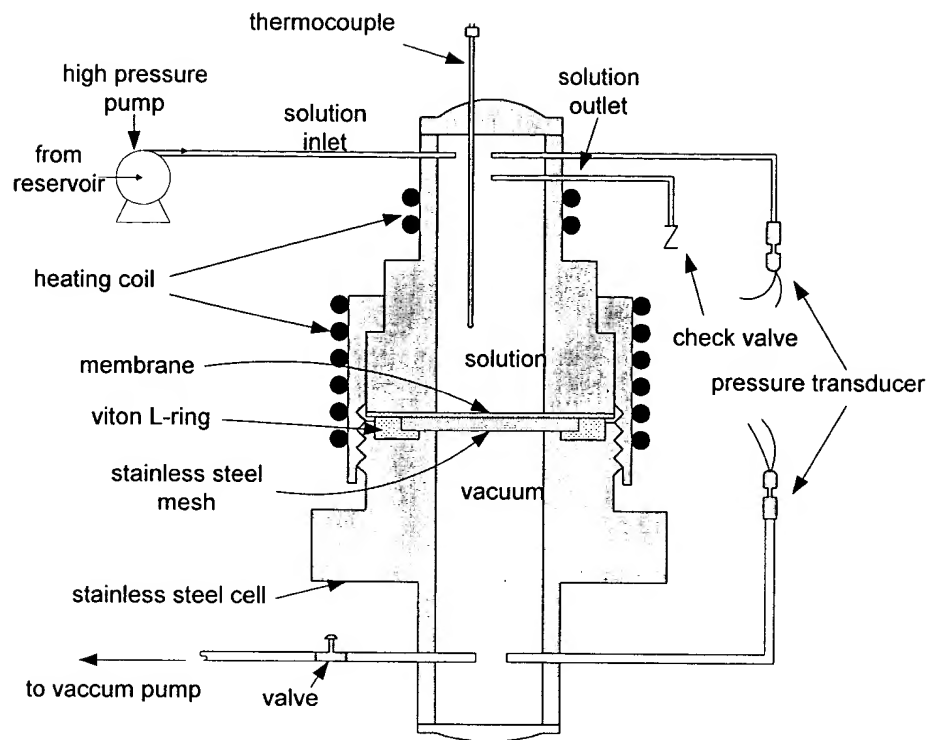


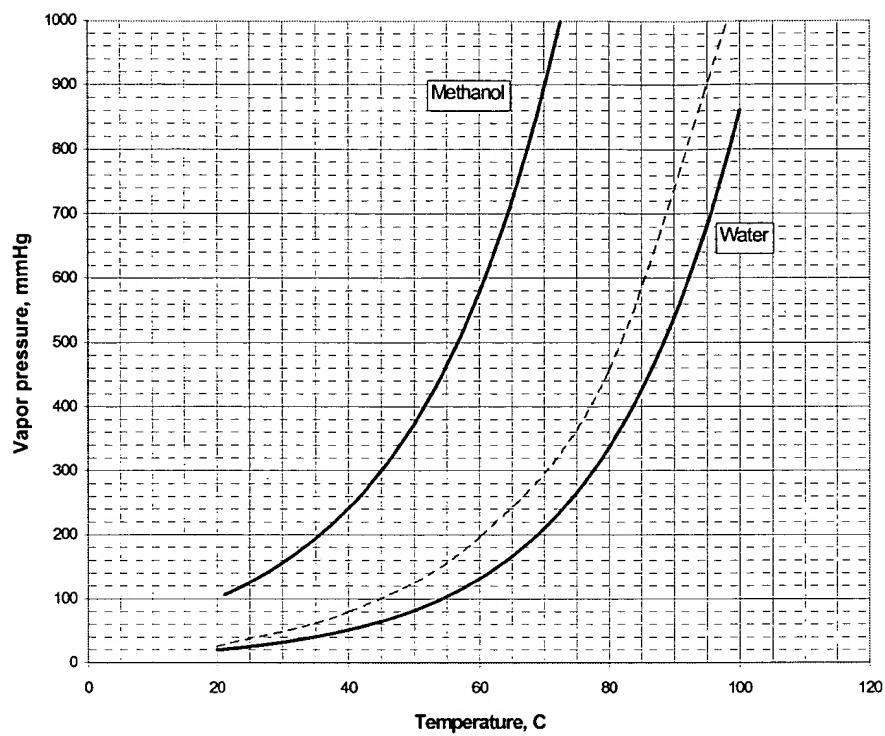
Schematic of the electrochemical cell for measuring proton conductivity of polymeric membranes.

Fig. 1



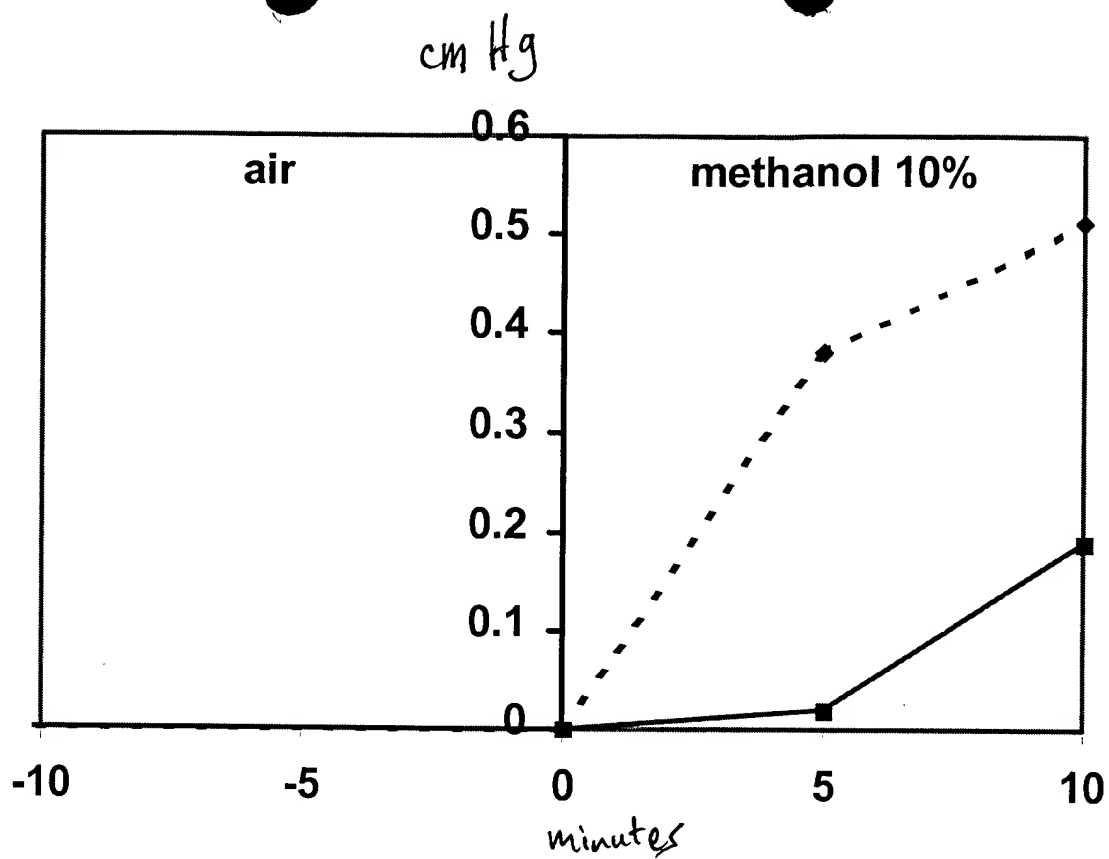
Schematic of the experimental system for measuring methanol crossover.

Fig. 2



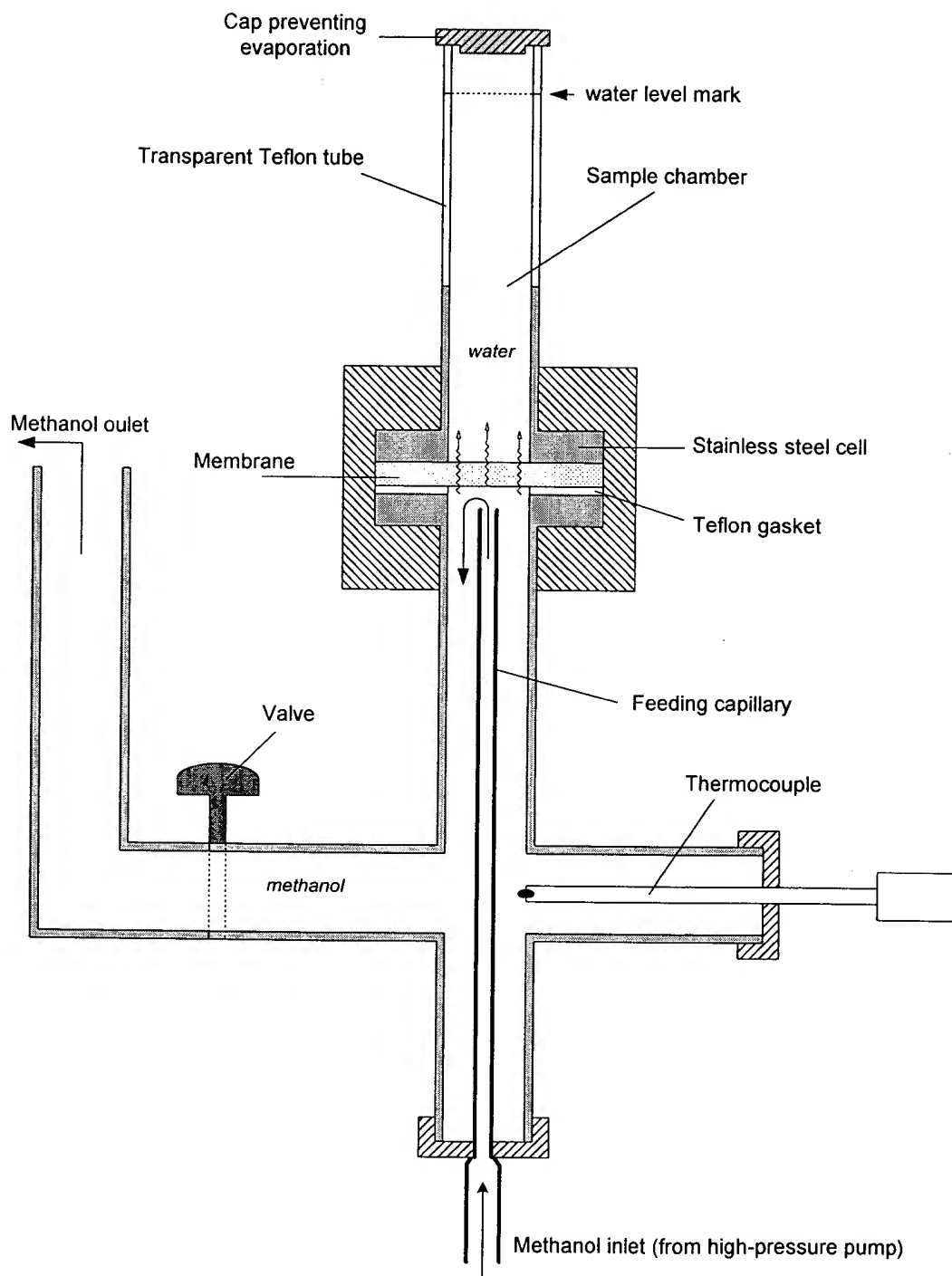
Vapor pressure of water and methanol vs. temperature. Dashed line is drawn using an interpolation for 10% methanol-water solution.

Fig. 3



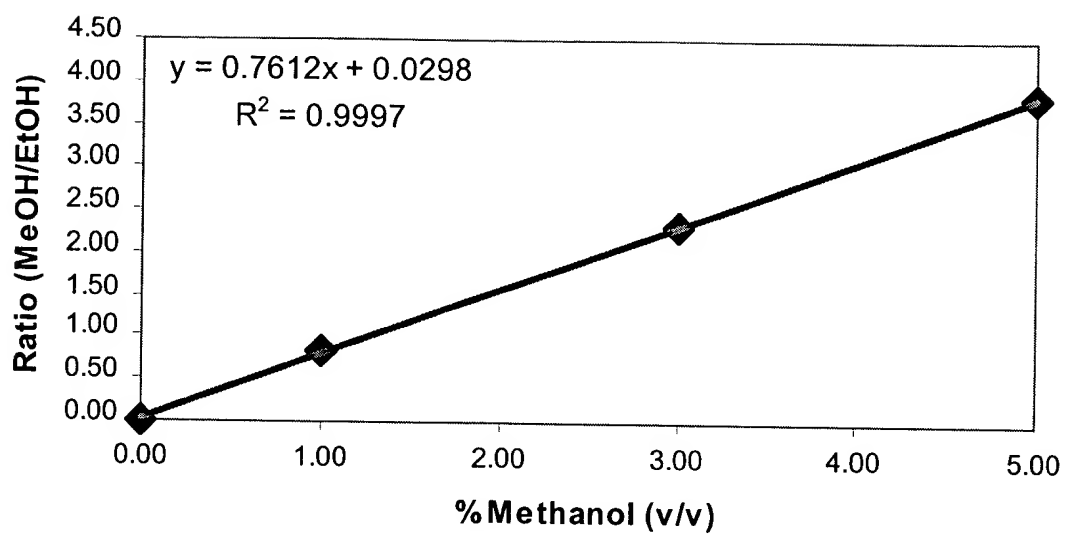
Methanol crossover of polyphosphazene membrane and Nafion at 40°C.

Fig. 4



Schematic of the experimental system for measuring methanol diffusion.

Fig. 5



GC calibration curve.

Fig. 6